



Hydroclear™ Gas Compressor Fluid

Conoco Hydroclear™ Gas Compressor Fluid is a high-quality lubricant developed to lubricate oil-flooded rotary compressors and the cylinders of reciprocating compressors in natural gas service. Our high-quality hydrocracked base oil, combined with specially tailored additives, provide protection against rust, corrosion, oxidation, wear and foaming needed to produce long and trouble-free service.

The interaction between natural gas and hydrocarbon-based oils can lead to an effect known as “gas dilution.” This effect reduces the effective viscosity of the lubricant and is normally taken into account by using ISO 100 and 150 viscosity grade products.

Applications

Hydroclear™ Gas Compressor Fluid provides excellent service and value in applications for which the compressor outlet pressure is less than 150 psig, the specific gravity of the gas stream is less than 1.0, and the gas outlet temperatures are well above the condensation point of the gas.

Outstanding Features

- High thermal stability base oil provides long, trouble-free life
- Rust and corrosion additives prevent corrosion in equipment
- Antioxidation additives control deposits
- Antiwear additives minimize wear on moving parts

**High-Quality
Hydrocracked Gas
Compressor Fluids**

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Hydroclear™ Gas Compressor Fluid
Typical Properties

ISO Grade	100	150
Viscosity,		
cSt @ 40°C	101	149
cSt @ 100°C	11.2	14.9
SUS @ 100°F	528	783
SUS @ 210°F	65	78
Viscosity Index	97	100
Pour Point,		
°F	-30	-20
°C	-34	-29
Flash Point,		
°F	514	510
°C	268	266
Oxidation Resistance, hrs, ASTM D943	4000	3000
Four-Ball Wear, mm	0.4	0.4
FZG Load Stage, ASTM D5182	9	9
Copper Corrosion Test, ASTM D130	1A	1A
Rust Test, A&B, ASTM D665	Pass	Pass
Specific Gravity @ 60°F (15.6°C)	0.870	0.879
Density, lb/gal	7.26	7.32
Total Acid No., ASTM D974	0.14	0.14

Due to continual product research and development, the information contained herein is subject to change without notification.

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